

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

Shuichi HISATOMI et al. : ATTN: APPLICATION DIVISION

SERIAL NO: New Divisional Application :

FILED: Herewith : EXAMINER: Unassigned

FOR: RECORDING MEDIUM, PLAYBACK APPARATUS AND
RECORDING/PLAYBACK APPARATUS THEREOF

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Preliminary to the examination of the above-referenced application, please amend the application as follows:

Please cancel claims 1-13 without prejudice.

Please add claims 14-17 as shown below.

14. (New) A recordable/playback recording medium comprising:

an object recording area for recording an object which has a plurality of programs each of which includes object units each including video data and audio data; and

a control information recording area for recording control information, wherein:

the control information recording area includes a first area where a plurality of program chain information respectively associated with the plurality of programs is recorded;

the first area includes a second area where a plurality of cell information respectively associated with the plurality of program chain information is recorded, and each of the plurality of cell information indicates a playback order of the object units comprising an

associated one of the plurality of program chain information;

the second area includes a third area where a plurality of program information respectively associated with the plurality of program chain information and the plurality of programs is recorded;

the third area includes a fourth area where a plurality of specific image position information respectively associated with specific images of the plurality of programs is to be recorded; and

the fourth area includes a fifth area where a plurality of cell numbers respectively associated to the specific images of the plurality of programs are to be recorded.

15. (New) A recordable/playback recording medium according to claim 14, wherein in the fourth area, a plurality of specific image display time information respectively associated with the specific images of the plurality of programs is recorded.

16. (New) A recording/playback apparatus for recording and playing back main recorded data containing information of at least one of an image and audio by using a recordable/playback recording medium which includes (i) an object recording area for recording an object which comprises a plurality of programs each including object units each including video data and audio data, and (ii) a control information recording area for recording control information, the control information recording area including a first area where a plurality of program chain information respectively associated with the plurality of programs is recorded, the first area including a second area where a plurality of cell information respectively associated with the plurality of program chain information is recorded, the cell information, each of the plurality of cell information indicating a playback order of the object units comprising an associated one of the plurality of program chain information, the second area including a third area where a plurality of programs respectively

associated with the plurality of program chain information and the plurality of programs are recorded, the third area including a fourth area where a plurality of specific image position information is to be recorded, the fourth area serving as a specific image position information recording area, and the fourth area including a fifth area where a plurality of cell numbers respectively associated with specific images of the plurality of programs are to be recorded, the recording/playback apparatus comprising:

trigger supplying means for supplying a trigger for registering a specific image of a selected one of the programs recorded in the object recording area;

position information acquiring means for acquiring recording position information associated with said selected one of the programs, in response to the trigger supplied from said trigger supplying means, said position information acquiring means including first holding means for detecting at least one of the plurality of cell information, which includes information indicating a starting position of the specific image of said selected one of the programs, as the recording position information, and then holding the cell information, the cell information being included in an associated one of the plurality of program chain information which indicates a playback order of data units in the specific image; and

position recording means for recording the recording position information acquired by said position information acquiring means on the recording medium, said position recording means including means for recording, along with the program chain information, the cell number held by said first holding means in the fourth area serving as the specific image position information recording area in the recording medium.

17. (New) A recordable/playback recording apparatus according to claim 16, wherein the position recording means further records display time information regarding the specific image in the fourth area.

REMARKS

Favorable consideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Claims 14-17 are presently active in this case, original claims 1-13 having been canceled by way of the present amendment.

Accordingly, examination on the merits of claims 14-17 are believed to be in order, and an early and favorable action is respectfully requested.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



22850

Telephone: (703) 413-3000
Facsimile: (703) 413-2220

A large, stylized handwritten signature in black ink, appearing to read 'Gregory J. Maier'.

Gregory J. Maier
Registration No. 25,599
James J. Kulbaski
Registration No. 34,648
Attorneys of Record

GJM:JJK:DHS:cbf

I:\atty\dhs\Suzuye\Divisonals\217416\217416.pa.wpd